PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220
CD-105-PCT		ell as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/EP2004/053030	19/11/2004	19/11/2003
Applicant		
CROPDESIGN N.V.		
This International Search Report has beer according to Article 18. A copy is being tra	n prepared by this International Searching Aunsmitted to the International Bureau.	thority and is transmitted to the applicant
This International Search Report consists	of a total of 8 sheets.	·
,	a copy of each prior art document cited in this	s report.
Basis of the report a. With regard to the language, the is language in which it was filed, unle	nternational search was carried out on the ba	asis of the international application in the
The international s	earch was carried out on the basis of a transe 23.1(b)).	slation of the international application furnished to
b. X With regard to any nucleo	tide and/or amino acid sequence disclosed	d in the international application, see Box No. I.
2. X Certain claims were foun	d unsearchable (See Box II).	
3. X Unity of invention is lack	ing (see Box III).	
4. With regard to the title,		
the text is approved as sub	mitted by the applicant.	
	ed by this Authority to read as follows:	
"SEEDY1" NUCEIC ACIDS H	OR MAKING PLANTS HAVING CH	HANGED GROWTH CHARACTERISTICS
		-
		•
5. With regard to the abstract,		
X the text is approved as sub	nitted by the applicant.	
the text has been establishe may, within one month from	ed, according to Rule 38.2(b), by this Authorit the date of mailing of this international searc	ty as it appears in Box No. IV. The applicant ch report, submit comments to this Authority.
6. With regard to the drawings,		
a. the figure of the drawings to be pub	olished with the abstract is Figure No	
as suggested by the		
as selected by this	Authority, because the applicant failed to sug	gest a figure.
	Authority, because this figure better character	rizes the invention.
b. X none of the figures is to be p	ublished with the abstract.	

Form PCT/ISA/210 (first sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2004/053030

Box	No. I	Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)
1.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed nation, the international search was carried out on the basis of:
	a.	type of material X a sequence listing
	b.	table(s) related to the sequence listing format of material
		X in written format X in computer readable form
	C.	time of filing/furnishing contained in the international application as filed filed together with the international application in computer readable form
		Turnished subsequently to this Authority for the purpose of search
2.	х	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3.	Additi	ional comments:
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•		
		·
		, and the second of the second

INTERNATIONAL SEARCH REPORT

International application No. PCT/EP2004/053030

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: See FURTHER INFORMATION sheet PCT/ISA/210
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-25 (all partially)
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (2)) (January 2004)

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Claim 20 in its present wording in not clear and might at least partially refer to essentially biological process for the production of plants, which are excluded from patentability according to Rule 39.1(ii) PCT.

Consequently present claim 20 has only insofar been considered, as it relates to microbiological processes involving the heterologous expression of s seedyl nucleic acid.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-25 (all partially)

Method for modifying the growth characteristics of a plant involving a seedyl nucleic acid as defined by SEQ ID N0:1; plants or plant cells obtainable by said methods; methods for producing transgenic plants, transgenic plants and parts therof involving a seedyl nucleic acid as defined by SEQ ID N0:1; uses of a seedyl nucleic acid as defined by SEQ ID N0:1; an isolated seedyl protein according to SEQ ID N0:2 and an isolated a seedyl nucleic acid as defined by SEQ ID N0:1.

2. claims: 1-25 (all partially)

Method for modifying the growth characteristics of a plant involving a seedyl nucleic acid encoding an amino acid as defined by SEQ ID NO:4; plants or plant cells obtainable by said methods; methods for producing transgenic plants, transgenic plants and parts therof involving a seedyl nucleic acid encoding an amino acid as defined by SEQ ID NO:4; uses of a seedyl nucleic acid encoding an amino acid as defined by SEQ ID NO:4; an isolated seedyl protein according to SEQ ID NO:4 and an isolated a seedyl nucleic acid encoding an amino acid as defined by SEQ ID NO:4.

3. claims: 1-25 (all partially)

Method for modifying the growth characteristics of a plant involving a seedyl nucleic acid as defined by SEQ ID N0:5; plants or plant cells obtainable by said methods; methods for producing transgenic plants, transgenic plants and parts therof involving a seedyl nucleic acid as defined by SEQ ID N0:5; uses of a seedyl nucleic acid as defined by SEQ ID N0:5; an isolated seedyl protein according to SEQ ID N0:6 and an isolated a seedyl nucleic acid as defined by SEQ ID N0:5.

4. claims: 1-25 (all partially)

Method for modifying the growth characteristics of a plant involving a seedyl nucleic acid as defined by SEQ ID NO:7; plants or plant cells obtainable by said methods; methods for producing transgenic plants, transgenic plants and parts therof involving a seedyl nucleic acid as defined by SEQ ID NO:7; uses of a seedyl nucleic acid as defined by SEQ ID NO:7; an isolated seedyl protein according to SEQ ID NO:8 and an isolated a seedyl nucleic acid as defined by SEQ ID NO:7.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

5. claims: 1-25 (all partially)

Method for modifying the growth characteristics of a plant involving a seedyl nucleic acid encoding an amino acid as defined by SEQ ID NO:10; plants or plant cells obtainable by said methods; methods for producing transgenic plants, transgenic plants and parts therof involving a seedyl nucleic acid encoding an amino acid as defined by SEQ ID NO:10; uses of a seedyl nucleic acid encoding an amino acid as defined by SEQ ID NO:10; an isolated seedyl protein according to SEQ ID NO:10 and an isolated a seedyl nucleic acid encoding an amino acid as defined by SEQ ID NO:10.

International Application No PCT/EP2004/053030

A. CLASS IPC 7	SIFICATION OF SUBJECT MATTER CO7K14/415 C12N15/82 C12N15	/29	
According	to International Patent Classification (IPC) or to both national classif	ication and IPC	
	S SEARCHED		
Minimum d IPC 7	locumentation searched (classification system followed by classification control contr	ation symbols)	
Documenta	ation searched other than minimum documentation to the extent that	such documents are included in the fields se	earched
	data base consulted during the international search (name of data b nternal, WPI Data, PAJ, EMBASE, BIO	• •	•
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the re	elevant passages	Relevant to claim No.
X	WO 03/085115 A (CROPDESIGN N V (16 October 2003 (2003-10-16) SEQ ID NO:82	(BE))	1-25
Α	DATABASE EMBL 26 April 2003 (200 CHEUK R. ET AL.: "Arabidopsis th At4g28230 gene, complete cds." XP002285859 Database accession no. BT006466 This sequence was also published accession number AL161572 by EMB abstract	naliana I under the	21-25
P,X	W0 2004/035798 A (CROPDESIGN N V 29 April 2004 (2004-04-29) SEQ ID NO:1977 page 1, line 7 - line 16 page 15, line 8 - page 16, line		1-25
Furthe	er documents are listed in the continuation of box C.	X Patent family members are listed in	annex.
A" documen conside E" earlier do filing da' L" documen which is citation of documen other me P" documen later tha	t which may throw doubts on priority claim(s) or cited to establish the publication date of another or other special reason (as specified) at referring to an oral disclosure, use, exhibition or	"T" later document published after the inter or priority date and not in conflict with to cited to understand the principle or the invention "X" document of particular relevance; the clacannot be considered novel or cannot involve an inventive step when the document of particular relevance; the clacannot be considered to involve an inventive step when the document is combined with one or more ments, such combination being obvious in the art. "&" document member of the same patent for the patent of mailing of the international searce.	he application but ory underlying the aimed invention be considered to unment is taken alone aimed invention entive step when the e other such docu- s to a person skilled
	July 2005	1 6 08 2005	·
	iling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Schönwasser, D	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/053030

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 03085115	A	16-10-2003	AU CA WO	2003224056 A1 2482145 A1 03085115 A2	20-10-2003 16-10-2003 16-10-2003
WO 2004035798	Α	29-04-2004	AU WO EP	2003298095 A1 2004035798 A2 1551983 A2	04-05-2004 29-04-2004 13-07-2005